

MEMORANDUM

000001

TO: Incident File

FROM: Andrew S. Gulczynski, Health Physicist
Robin G. Muzzalupo, Health Physicist
Division of Radioactive Materials

DATE: April 9, 2001

RE: Object Characterization at 3151 S. California, Chicago

On April 6, 2001, the Department received a call from Mr. Brad Benning, On-Scene Coordinator, USEPA, (312) 353-7613. Information provided indicated that the EPA, while doing a survey of an old abandoned warehouse, had come across what was described as a 3 ft diameter metal kettle with a bolted lid and a steel column through the middle. According to USEPA, a reading of 100 uR/hr was obtained as they approached the object. USEPA had cordoned off an area around the unknown object and had requested assistance from IDNS. Upon notification from Mr. Tom Seif, Head of Inspection and Enforcement, Mr. Andrew S. Gulczynski and Ms. Robin G. Muzzalupo departed from Glen Ellyn to the site located at 3151 S. California Street in Chicago.

Surveys were performed by the inspectors using an Eberline Model PRM-6 ratemeter, serial number 1470, last calibrated on May 18, 2000, with an Eberline Model HP-260 probe and a Bicron Micro Rem Low Energy survey instrument, serial number B970N, last calibrated on May 22, 2000. Background readings were 40 - 60 CPM and 5 - 8 Rem/hour, respectively. The highest exposure rate obtained at the front rectangular opening was 80 Rem/hour. Surface wipes were collected at this opening and the side where a slightly elevated reading was detected. Field evaluation of these wipes showed no detectable removable contamination. These wipe samples were forwarded to Springfield for laboratory analysis.

A gamma spectrum was obtained using the Microspec-2 portable multichannel analyzer, serial number 94006. The radionuclide was identified as ¹³⁷Cs. Spectral data are included with this report.

The object was identified as a billet former (used to make steel billets). The owner of the property (3151 S. California) was identified by Mr. Brad Benning as the Metropolitan Water Reclamation District of Chicago. The property was leased to M.S.

Kaplan Co. (contact is Joe Blandi at 708/756-0400) who subleased the warehouse to JPIT Melt Shop. JPIT apparently left the site about three years ago.

Prior to leaving, the inspectors discussed their findings with Mr. Brad Benning of USEPA and provided him with a couple "C-RAM" signs for posting on the device. A copy of the CRCPD Waste Broker listing was also provided to Mr. Benning. Mr. Benning assured the inspectors that the site would be secured and stated that he appreciated the help.

Pending satisfactory disposition of the material found at the site, this matter may be considered closed.



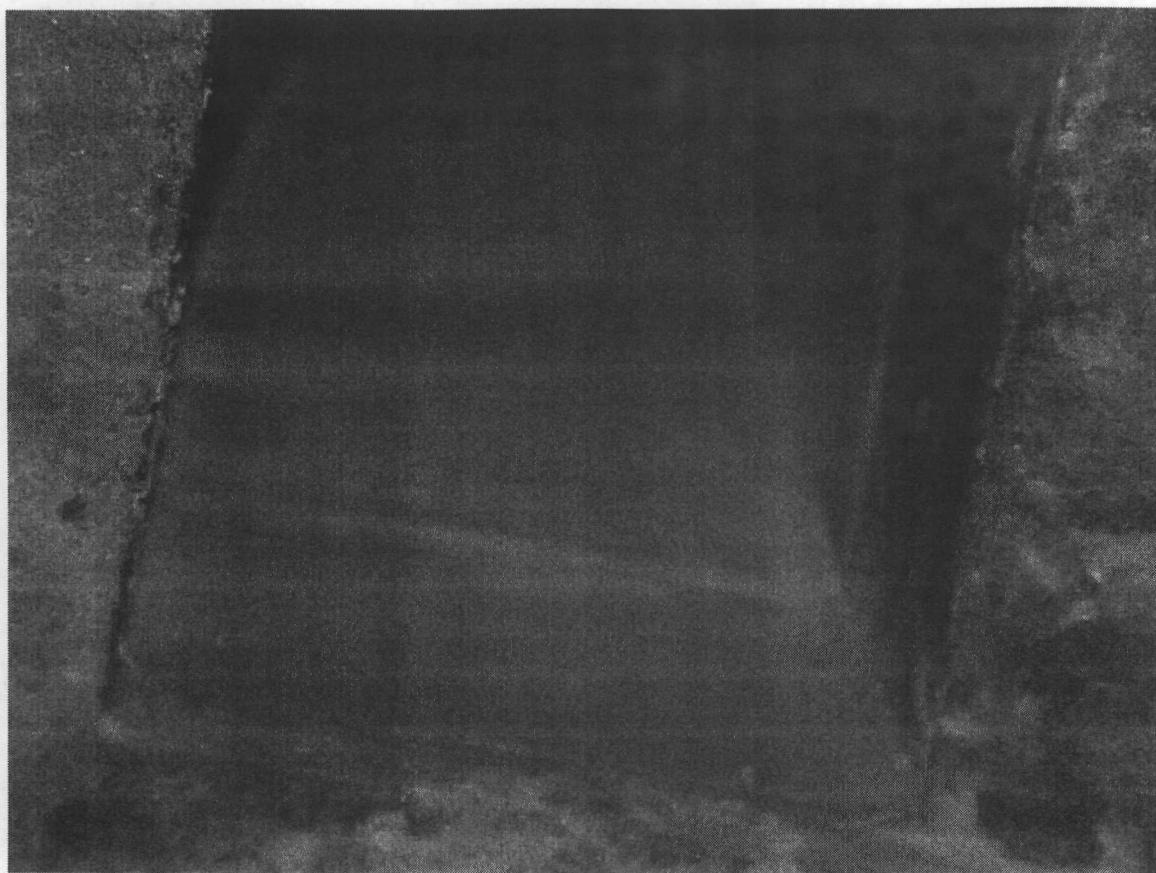




















BTI-F11 DOSPEC (G) v2.07

former.001

Billet former next to Cozzi; Chicago; 80 uR/hour at opening; Cs-137;
April 6, 2001; ASG:RGM.

Run started at: Fri Apr 06 12:38:07 2001

Duration (s): 300

ROI-L: 0 ROI-R: 0

ROI Total Area: 0 Net Area: 0

ROI Centroid: 0.00 keV

ROI Count rate: 0.000000 counts/sec

Total Count rate: 870.481201 counts/sec

Dead Time (per cent): 14.037964

Calibration : zero (ch) 11.6590

Calibration : gain (keV/ch) 11.7613

Channel:Counts

| | | | | | | | | | |
|----|---|-----|------|-----|----|------|---|------|---|
| 0: | 0 | 44: | 3290 | 88: | 8 | 132: | 9 | 176: | 4 |
| 1: | 0 | 45: | 3007 | 89: | 6 | 133: | 7 | 177: | 0 |
| 2: | 0 | 46: | 2790 | 90: | 15 | 134: | 2 | 178: | 0 |
| 3: | 0 | 47: | 2718 | 91: | 7 | 135: | 4 | 179: | 0 |
| 4: | 0 | 48: | 2548 | 92: | 18 | 136: | 3 | 180: | 0 |
| 5: | 0 | 49: | 2462 | 93: | 7 | 137: | 7 | 181: | 0 |
| 6: | 0 | 50: | 2226 | 94: | 5 | 138: | 3 | 182: | 1 |
| 7: | 0 | 51: | 2127 | 95: | 5 | 139: | 1 | 183: | 0 |
| 8: | 0 | 52: | 1793 | 96: | 9 | 140: | 2 | 184: | 2 |

| | | | | | | | |
|-----|-------|-----|------|------|---------|--------|---|
| 9: | 0 | 53: | 1716 | 97: | 10 141: | 0 185: | 1 |
| 10: | 0 | 54: | 1582 | 98: | 6 142: | 1 186: | 0 |
| 11: | 1 | 55: | 1409 | 99: | 5 143: | 1 187: | 0 |
| 12: | 0 | 56: | 1438 | 100: | 8 144: | 1 188: | 0 |
| 13: | 0 | 57: | 1250 | 101: | 5 145: | 3 189: | 0 |
| 14: | 0 | 58: | 1289 | 102: | 7 146: | 1 190: | 0 |
| 15: | 0 | 59: | 1162 | 103: | 12 147: | 1 191: | 0 |
| 16: | 1 | 60: | 1152 | 104: | 8 148: | 1 192: | 0 |
| 17: | 14 | 61: | 1104 | 105: | 8 149: | 0 193: | 1 |
| 18: | 211 | 62: | 1094 | 106: | 7 150: | 1 194: | 1 |
| 19: | 1330 | 63: | 1230 | 107: | 3 151: | 3 195: | 0 |
| 20: | 3317 | 64: | 1304 | 108: | 4 152: | 0 196: | 1 |
| 21: | 5725 | 65: | 1619 | 109: | 4 153: | 0 197: | 0 |
| 22: | 7220 | 66: | 1849 | 110: | 5 154: | 0 198: | 0 |
| 23: | 8258 | 67: | 2171 | 111: | 5 155: | 0 199: | 3 |
| 24: | 9613 | 68: | 2193 | 112: | 5 156: | 0 200: | 0 |
| 25: | 9939 | 69: | 1934 | 113: | 1 157: | 0 201: | 2 |
| 26: | 9984 | 70: | 1339 | 114: | 4 158: | 1 202: | 0 |
| 27: | 10170 | 71: | 834 | 115: | 2 159: | 1 203: | 0 |
| 28: | 10267 | 72: | 430 | 116: | 6 160: | 3 204: | 0 |
| 29: | 9760 | 73: | 188 | 117: | 1 161: | 1 205: | 0 |
| 30: | 9402 | 74: | 63 | 118: | 3 162: | 3 206: | 1 |
| 31: | 9174 | 75: | 39 | 119: | 2 163: | 0 207: | 2 |
| 32: | 8586 | 76: | 20 | 120: | 7 164: | 0 208: | 0 |
| 33: | 8027 | 77: | 18 | 121: | 2 165: | 0 209: | 1 |
| 34: | 7278 | 78: | 15 | 122: | 3 166: | 2 210: | 0 |
| 35: | 6757 | 79: | 14 | 123: | 1 167: | 0 211: | 1 |
| 36: | 6337 | 80: | 17 | 124: | 1 168: | 1 212: | 1 |
| 37: | 5773 | 81: | 15 | 125: | 2 169: | 0 213: | 0 |
| 38: | 5077 | 82: | 7 | 126: | 3 170: | 2 214: | 0 |
| 39: | 4723 | 83: | 17 | 127: | 2 171: | 1 215: | 2 |
| 40: | 4265 | 84: | 10 | 128: | 3 172: | 0 216: | 0 |
| 41: | 4147 | 85: | 8 | 129: | 0 173: | 1 217: | 0 |
| 42: | 3728 | 86: | 5 | 130: | 3 174: | 1 218: | 0 |
| 43: | 3469 | 87: | 8 | 131: | 6 175: | 1 219: | 0 |